

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	13	(("3822916") or ("3834760") or ("3951458") or ("4071278") or ("4318892") or ("4381873") or ("4652309") or ("4728152") or ("4756687") or ("5100631") or ("5537045") or ("5825188") or ("6123394")).PN.	US-PGPUB; USPAT	OR	OFF	2008/10/01 11:16
S2	1	03/068999	US-PGPUB; USPAT	OR	ON	2008/10/02 11:04
S3	653	75/711,712,743,744.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/06 11:25
S4	10250	heap	US-PGPUB; USPAT	OR	ON	2008/10/06 11:25
S5	171	S3 and S4	US-PGPUB; USPAT	OR	ON	2008/10/06 11:25
S6	1	seal-thomas-joseph.in.	US-PGPUB; USPAT	OR	ON	2008/10/06 14:53
S7	288	299/4.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/06 14:57
S8	534	heap adj leach\$	US-PGPUB; USPAT	OR	ON	2008/10/06 14:58
S9	8	S8 and S7	US-PGPUB; USPAT	OR	ON	2008/10/06 14:58
S10	74694	"423"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/06 15:06
S11	276	S8 and S10	US-PGPUB; USPAT	OR	ON	2008/10/06 15:06
S12	27574	"75"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/06 15:07
S13	226	S12 and S8	US-PGPUB; USPAT	OR	ON	2008/10/06 15:07
S14	379	(S10 or S12) and S8	US-PGPUB; USPAT	OR	ON	2008/10/06 15:08
S15	46	S8 and \$fractur\$	US-PGPUB; USPAT	OR	ON	2008/10/06 15:10
S16	11	S15 and wells!	US-PGPUB; USPAT	OR	ON	2008/10/06 15:18
S17	55	S8 and wells!	US-PGPUB; USPAT	OR	ON	2008/10/06 15:18
S18	450	S8 and (sulfate or cyanide or lixiviant)	US-PGPUB; USPAT	OR	ON	2008/10/06 16:00

S19	449	S8 and (sulfate or cyanide or lixiviant) and (gold or au or silver or ag or copper or cu or nickel or ni or zinc or zn or lead or pb or cobalt or bo or iron or fe or sodium of na or uranium phosphorus)	US-PGPUB; USPAT	OR	ON	2008/10/06 16:03
S20	607	heap with leach\$	US-PGPUB; USPAT	OR	ON	2008/10/06 16:08
S21	31493	"in situ"	US-PGPUB; USPAT	OR	ON	2008/10/06 16:11
S22	390	"in situ" with mining	US-PGPUB; USPAT	OR	ON	2008/10/06 16:12
S23	992	S20 or S22	US-PGPUB; USPAT	OR	ON	2008/10/06 16:13
S24	3281096	(channel\$ or efficien\$ or \$uniform\$)	US-PGPUB; USPAT	OR	ON	2008/10/06 16:14
S25	854	S23 and S24	US-PGPUB; USPAT	OR	ON	2008/10/06 16:14
S26	4554764	(channeling or \$uniform\$ or problem or improv\$)	US-PGPUB; USPAT	OR	ON	2008/10/06 16:19
S27	955	S23 and S26	US-PGPUB; USPAT	OR	ON	2008/10/06 16:19
S28	5	"4301121".pn. "4526615".pn. "4279868".pn. "3441316".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/06 18:44
S29	107519	heap or pile or dump	US-PGPUB; USPAT	OR	ON	2008/10/07 10:36
S30	653	75/711,712,743,744.cds.	US-PGPUB; USPAT	OR	ON	2008/10/07 10:36
S31	198	S29 and S30	US-PGPUB; USPAT	OR	ON	2008/10/07 10:36
S32	1322002	geophysical or survey or gravity or magnetic or drill	US-PGPUB; USPAT	OR	ON	2008/10/07 10:38
S33	79	S31 and S32	US-PGPUB; USPAT	OR	ON	2008/10/07 10:39
S34	107519	heap or pile or dump	US-PGPUB; USPAT	OR	ON	2008/10/07 13:40
S35	653	75/711,712,743,744.cds.	US-PGPUB; USPAT	OR	ON	2008/10/07 13:40
S36	198	S34 and S35	US-PGPUB; USPAT	OR	ON	2008/10/07 13:40
S37	1322002	geophysical or survey or gravity or magnetic or drill	US-PGPUB; USPAT	OR	ON	2008/10/07 13:40
S38	79	S36 and S37	US-PGPUB; USPAT	OR	ON	2008/10/07 13:40

S39	72	S38 and (channel\$ or blinding or ponding or pooling or slumping or \$uniform\$ or deficien\$ or efficien\$)	US-PGPUB; USPAT	OR	ON	2008/10/07 13:40
S40	61	("0588476"   "3777004"   "3819797"   "3949051"   "4017309"   "4056261"   "4256705"   "4256706"   "4279868"   "4301121"   "4318892"   "4324764"   "4343773"   "4374097"   "4402831"   "4424194"   "4526615"   "4557905"   "4571387"   "4585548"   "4690894"   "4721526"   "4729788"   "4740243"   "4752332"   "4778519"   "4789481"   "5127942"   "5162105"   "5196052"   "5232676"   "5236677"   "5244493"   "5246486").PN. OR ("5431717").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/07 14:39
S41	75	S38 and (survey or determine or needed or necessary or remedial or deficien\$)	US-PGPUB; USPAT	OR	ON	2008/10/07 16:02
S42	70	S41 and (channel\$ or blinding or ponding or pooling or slumping or \$uniform\$ or deficien\$ or efficien\$)	US-PGPUB; USPAT	OR	ON	2008/10/07 16:03
S43	70	S41 and (channel\$ or blinding or ponding or pooling or slumping or \$uniform\$ or deficien\$ or repeat or efficien\$)	US-PGPUB; USPAT	OR	ON	2008/10/07 16:55
S44	387	299/5.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/07 17:54
S45	97	S44 and \$fractur\$	US-PGPUB; USPAT	OR	ON	2008/10/07 17:58
S46	70	S45 and (zone or layer)	US-PGPUB; USPAT	OR	ON	2008/10/07 18:31
S47	42	S45 and (zone or layer) and (hydrofrac\$ or hydraulic)	US-PGPUB; USPAT	OR	ON	2008/10/07 18:33
S48	7	"3834760"	US-PGPUB; USPAT	OR	ON	2008/10/09 12:34
S49	653	75/711,712,743,744.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/09 14:03
S50	10282	heap	US-PGPUB; USPAT	OR	ON	2008/10/09 14:03
S51	171	S49 and S50	US-PGPUB; USPAT	OR	ON	2008/10/09 14:03
S52	96	S51 and (phosphorous or sodium)	US-PGPUB; USPAT	OR	ON	2008/10/09 14:03

S53	534	heap adj leach\$	US-PGPUB; USPAT	OR	ON	2008/10/09 16:24
S54	63	S53 and pH.ab.	US-PGPUB; USPAT	OR	ON	2008/10/09 16:24
S55	568	heap adj leach\$	US-PGPUB; USPAT	OR	ON	2009/04/15 14:41
S56	648	heap with leach\$	US-PGPUB; USPAT	OR	ON	2009/04/15 14:41
S57	80	S56 not S55	US-PGPUB; USPAT	OR	ON	2009/04/15 14:41
S58	464	S56 and (controls or monitor or monitoring or probe)	US-PGPUB; USPAT	OR	ON	2009/04/15 14:43
S59	206	S56 and (controls! or monitor or monitoring or probe)	US-PGPUB; USPAT	OR	ON	2009/04/15 14:43
S60	123	S56 and (sample or sampling or survey or surveying or data) with (calculate or calculated or calculating or calculates or measure or determine or deficient or area or analyze or analyzing)	US-PGPUB; USPAT	OR	ON	2009/04/15 16:18
S61	62	S56 and (sample or sampling or survey or surveying) with (portion or heap)	US-PGPUB; USPAT	OR	ON	2009/04/15 16:32
S62	7	S56 and selective adj leaching	US-PGPUB; USPAT	OR	ON	2009/04/15 16:35
S63	38	S56 and (sample or sampling) with determine	US-PGPUB; USPAT	OR	ON	2009/04/15 16:38
S64	57	S56 and (sample or sampling or survey or surveying or collect or collecting or identify) with (portion or area or deficient or remedial)	US-PGPUB; USPAT	OR	ON	2009/04/15 16:46
S65	4	S56 and (portion or area) with heap with (low or deficient) with extraction	US-PGPUB; USPAT	OR	ON	2009/04/15 16:49
S66	0	S56 and (low or poor) near3 (recovery or extraction) and (core adj samp\$3 or survey) near3 (identify or determine)	US-PGPUB; USPAT	OR	ON	2009/04/15 16:57
S67	141	S56 and (low or poor) near3 (recovery or extraction)	US-PGPUB; USPAT	OR	ON	2009/04/15 16:57
S68	105	S67 and (survey or samp\$3)	US-PGPUB; USPAT	OR	ON	2009/04/15 16:57
S69	7	S67 and (survey or samp\$3) with (identify or determine)	US-PGPUB; USPAT	OR	ON	2009/04/15 17:00
S70	2	S56 and core adj samp\$3	US-PGPUB; USPAT	OR	ON	2009/04/15 17:03
S71	0	S56 and survey near3 heap	US-PGPUB; USPAT	OR	ON	2009/04/15 17:04

S72	0	S56 and survey with heap	US-PGPUB; USPAT	OR	ON	2009/04/15 17:07
S73	1	S56 and surveying with heap	US-PGPUB; USPAT	OR	ON	2009/04/15 17:07
S74	46	S56 and sample with heap	US-PGPUB; USPAT	OR	ON	2009/04/15 17:07
S75	194	S56 and sample with (heap or ore or formation)	US-PGPUB; USPAT	OR	ON	2009/04/15 17:09
S76	0	S56 and survey near3 ore	US-PGPUB; USPAT	OR	ON	2009/04/15 17:10
S77	3	S56 and (portion or area) with ore with (low or deficient) with extraction	US-PGPUB; USPAT	OR	ON	2009/04/15 17:11
S78	189	S56 and (sample or sampling or survey or surveying) with (portion or ore)	US-PGPUB; USPAT	OR	ON	2009/04/15 17:12
S79	8	S56 and (sample or sampling or survey or surveying) with (portion or ore) with (identify or determine)	US-PGPUB; USPAT	OR	ON	2009/04/15 17:12
S80	100	S56 and sample with (taken or withdrawn)	US-PGPUB; USPAT	OR	ON	2009/04/15 17:14
S81	63	S56 and sample with ((taken or withdrawn) and (heap or portion or formation or ore))	US-PGPUB; USPAT	OR	ON	2009/04/15 17:15
S82	679	75/711,712,743,744.xls	US-PGPUB; USPAT	OR	ON	2009/04/15 17:28
S83	1153	S56 or S82	US-PGPUB; USPAT	OR	ON	2009/04/15 17:28
S84	156	S83 and sample with (taken or withdrawn) and (heap or portion or formation or ore or dump or bed or pile)	US-PGPUB; USPAT	OR	ON	2009/04/15 17:29
S85	15	S84 and (deficient)	US-PGPUB; USPAT	OR	ON	2009/04/15 17:29
S86	47	S83 and (sample with (taken or withdrawn)) same (extraction or efficient or deficient or potential) and (heap or portion or formation or ore or dump or bed or pile)	US-PGPUB; USPAT	OR	ON	2009/04/15 17:31
S87	69	S83 and (sample with (taken or withdrawn)) same (measure or determine or identify or extraction or efficient or deficient or potential) and (heap or portion or formation or ore or dump or bed or pile)	US-PGPUB; USPAT	OR	ON	2009/04/15 17:32
S88	3	S83 and (uniform or even) adj teaching	US-PGPUB; USPAT	OR	ON	2009/04/15 17:35

S89	110	S83 and determine and (effective or efficient) with leaching	US-PGPUB; USPAT	OR	ON	2009/04/15 17:40
S90	114	S83 and (determine or identify) and (effective or efficient) with leaching	US-PGPUB; USPAT	OR	ON	2009/04/15 17:40
S91	59	S83 and identify	US-PGPUB; USPAT	OR	ON	2009/04/15 18:19
S92	108	S83 and (permeable or non adj permeable or nonpermeable)	US-PGPUB; USPAT	OR	ON	2009/04/15 18:30
S93	138	S83 and (permeable or non adj permeable or nonpermeable or permeate)	US-PGPUB; USPAT	OR	ON	2009/04/15 18:31
S94	17	S83 and (drill or extract) with sample	US-PGPUB; USPAT	OR	ON	2009/04/15 18:39
S95	22	S83 and survey	US-PGPUB; USPAT	OR	ON	2009/04/15 19:10
S96	2	S83 and mapping	US-PGPUB; USPAT	OR	ON	2009/04/15 19:14
S97	63	S83 and cyclic	US-PGPUB; USPAT	OR	ON	2009/04/15 19:16
S98	854	S83 and well	US-PGPUB; USPAT	OR	ON	2009/04/15 19:25
S99	8	S83 and well near5 selected	US-PGPUB; USPAT	OR	ON	2009/04/15 19:25
S100	83	S83 and wells!	US-PGPUB; USPAT	OR	ON	2009/04/15 19:26
S101	23	S83 and wells! with (placed or selected or placement or area or portion or heap or dump)	US-PGPUB; USPAT	OR	ON	2009/04/15 19:28
S102	0	S83 and wells! with desired	US-PGPUB; USPAT	OR	ON	2009/04/15 19:37
S103	0	S83 and leach with (desired and (area or portion or section))	US-PGPUB; USPAT	OR	ON	2009/04/15 19:38
S104	0	S83 and (leach or leaching) with (desired and (area or portion or section))	US-PGPUB; USPAT	OR	ON	2009/04/15 19:38
S105	31	S56 and (under adj leached or under\$1leached or un adj leached or un\$1leached)	US-PGPUB; USPAT	OR	ON	2009/04/15 20:10
S106	1	10/591052	US-PGPUB; USPAT	OR	ON	2009/04/15 20:11
S107	648	heap with leach\$	US-PGPUB; USPAT	OR	ON	2009/04/16 12:42
S108	679	75/711,712,743,744.cds.	US-PGPUB; USPAT	OR	ON	2009/04/16 12:42

S109	1153	S107 or S108	US-PGPUB; USPAT	OR	ON	2009/04/16 12:42
S110	129	S109 and (monitoring or monitors! or to adj monitor)	US-PGPUB; USPAT	OR	ON	2009/04/16 12:42
S111	93	S109 and (probe or sensor)	US-PGPUB; USPAT	OR	ON	2009/04/16 12:44
S112	1	seal-thomas-joseph.in.	US-PGPUB; USPAT	OR	ON	2009/11/06 15:34
S113	2	seal-t\$.in.	US-PGPUB; USPAT	OR	ON	2009/11/06 15:35
S114	1	seal-thomas\$.in.	US-PGPUB; USPAT	OR	ON	2010/12/16 13:38
S115	91	(heap adj (leach or leaching)). ti. or (heap adj (leach or leaching)).ab.	US-PGPUB; USPAT	OR	ON	2010/12/16 13:39
S116	1	S115 and selective.ab.	US-PGPUB; USPAT	OR	ON	2010/12/16 13:39
S117	740	S115 or (heap same (leach or leaching))	US-PGPUB; USPAT	OR	ON	2010/12/16 13:40
S118	130	S117 and (selective or selectively) with leach\$3	US-PGPUB; USPAT	OR	ON	2010/12/16 13:41
S119	144	S117 and (selective or selectively) with (leach\$3 or treat or treatment or treating)	US-PGPUB; USPAT	OR	ON	2010/12/16 13:42
S120	147	S117 and (selective or selectively) with (leach\$3 or treat\$4)	US-PGPUB; USPAT	OR	ON	2010/12/16 13:42
S121	22	S117 and (selective or selectively) with (well or shaft)	US-PGPUB; USPAT	OR	ON	2010/12/16 14:07
S122	667	heap adj (leach or leaching)	US-PGPUB; USPAT	OR	ON	2011/04/29 19:37
S123	369	(releach or leach with again or leach with deficient or survey adj heap)	US-PGPUB; USPAT	OR	ON	2011/04/29 19:39
S124	52	S122 and S123	US-PGPUB; USPAT	OR	ON	2011/04/29 19:39
S125	53562	(determine or identify) near2 (deficient or pooling or areas)	US-PGPUB; USPAT	OR	ON	2011/04/29 19:40
S126	2	S122 and S125	US-PGPUB; USPAT	OR	ON	2011/04/29 19:40
S127	241	S122 and cycle	US-PGPUB; USPAT	OR	ON	2011/04/29 19:49
S128	184	S127 and (survey or determine or identified or identify or determined or surveyed)	US-PGPUB; USPAT	OR	ON	2011/04/29 19:50
S129	6	S128 and (further or additional) adj (leach or teaching or treatment)	US-PGPUB; USPAT	OR	ON	2011/04/29 19:52

S130	3	seal-t\$.in.	US-PGPUB; USPAT	OR	ON	2011/05/06 13:57
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**EAST Search History (Interference)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	124	75/711.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:34
L2	110	75/712.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:34
L3	294	75/743.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:34
L4	231	75/744.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:34
L5	291	299/4.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:34
L6	369	299/5.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:34
L7	462	423/27.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:34
L8	256	423/98.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:34
L9	458	423/109.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:34
L10	269	423/150.1.ccls.	USPAT; UPAD	OR	ON	2011/05/06 18:35
L11	2200	I1 or I2 or I3 or I4 or I5 or I6 or I7 or I8 or I9 or I10	USPAT; UPAD	OR	ON	2011/05/06 18:35
L12	216	I11 and heap adj (leach or leaching or leached)	USPAT; UPAD	OR	ON	2011/05/06 18:36
L13	115	I12 and heap.drm.	USPAT; UPAD	OR	ON	2011/05/06 18:37
L14	4	I11 and remedial	USPAT; UPAD	OR	ON	2011/05/06 18:38
L15	439	I11 and selective	USPAT; UPAD	OR	ON	2011/05/06 18:39
L16	40	I13 and selective	USPAT; UPAD	OR	ON	2011/05/06 18:39
L17	51	I13 and (selective or selectively)	USPAT; UPAD	OR	ON	2011/05/06 18:40
L18	10	I13 and (selective or selectively).clm.	USPAT; UPAD	OR	ON	2011/05/06 18:59

5/6/2011 7:09:17 PM

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